



File ACT/045/003

MARBLEHEAD LIME COMPANY

A GENERAL DYNAMICS COMPANY

390 EAST JOE ORR ROAD • CHICAGO HEIGHTS, ILLINOIS 60411 • 312/757-6201

RECEIVED

DEC 09 1985

DIVISION OF OIL
GAS & MINING

December 4, 1985

Ms. Susan C. Linner
State of Utah
Division of Natural Resources
Department of Oil, Gas and Mining
355 W. North Temple
3 Triad Center - Suite 350
Salt Lake City, Utah 84180

RE: Test Plots - ACT/045/003 - Tooele County, Utah

Dear Ms. Linner:

Attached please find an aerial drawing of our Utah Plant, showing the location of the test plots implemented on November 11, 1985.

The area where the test plots are located is an area where coal storage used to extend. The soil used was the material from our waste pile and was spread to a depth of 3 to 4 inches.

If any additional information is needed, feel free to contact me at anytime.

Sincerely,

Philip N. Raines
Staff Assistant - Operations

PNR/bb
Attachment

- E. On two of the test plots, a mulch, as yet undetermined, will be added. Determination of a mulch will be made once availability and nutrient value have been established.
- F. The soil will consist of material from our waste pile which has a small amount of soil from within the quarry and the -1/4 inch material from our primary crusher. Attached as Appendix "C" is analysis on the physical and chemical characteristics of our waste pile, fines pile, and of the natural soil. This soil has a medium to coarse texture and the nutrients and organics within the soil will have to be enhanced to support sustained growth.

All the parameters established by these test plots will be used in the re-vegetation of the plant site and quarry floor areas.

RULE M-3(2)(e)

M-10(12)

The method used for determining vegetation growth was visual observation. Though there are surrounding areas which have more growth, the area upon which our plant site is located had only sagebrush, a few small scrub cedar trees, and small bunch growths of cheat grass. When combined, these grasses and shrubs may equal the 30% vegetation cover previously reported. A range survey has recently been completed on Toole County by the B.L.M., and after talking with a range supervisor, the reported 30% growth cover appears to be accurate.

Due to increased drainage, a different seed mix was to be used on the quarry floor, where additional water will be retained. The seed mix would be a combination of the following two plant species, both of which have had good growth records in this type of area.

Yellow Sweetclover
Hard Fescue - Variety Durar

A determination will be made on seed species and fertilizer, based on the information obtained from the test plots. Seeding rates will also be determined from the test plots, but it appears 13 to 14 lbs. of pure live seed per acre will be necessary.

Within the plant site area, all decisions regarding revegetation will be made based on the results obtained from the test plots, and will be submitted to the D.O.G.M. at least 90 days prior to any revegetation.

RULE M-3(2)(f)

A timetable for our reclamation plan is as follows:

- A. Within the next two years, test plots will be instituted to determine all parameters necessary in the successful revegetation of this property.
- B. After closure of the plant, reclamation will be accounted for in a three phase plan stretching over a two year period.

Double Strand Barbed Wire Fencing

| | | | | | | | |
|--|------------------|------------|---------------|--|--|--|--|
| | Individual Seeds | | | | | | |
| | 16-16-8 | Fertilizer | (30 lbs/Acre) | | | | |
| Seed Mix 16-16-8 Fertilizer (30 lbs/Acre) Wood Fiber Mulch (2000 lbs/Acre) | | | | | | | |
| Seed Mix, 40-0-30 (30 lbs/Acre) Wood Fiber Mulch (2000 lbs/Acre) | | | | | | | |
| Seed Mix AND 40-0-30 Fertilizer (30 lbs/Acre) | | | | | | | |
| Control Plot Seed Mix Only | | | | | | | |

All Test Plot Size's @ 33' x 66'
Area Fenced Approximately 225' x 95'